

CLAIMS

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1. A lower blade shaft for a roller cutting machine for the lengthwise cutting of foils and strips into sectors with at least one lower blade (3), characterized in that the lower blade shaft has a number of lower blades (3) exceeding the number of cuts, the lower blades (3) are arranged in essentially regular intervals on the lower blade shaft, and the distances between the lower blades (3) are selected to permit a flexible choice of sector width.
2. The lower blade shaft according to claim 1, characterized in that the lower blades (3) are designed to alternate between lower blades for making left and right cuts.
3. The lower blade shaft according to claim 2, characterized in that the lower blades (3) are designed to have dual cutting edges (4, 5) on the tongue (6) of a keyway-tongue division of (2) the lower blade shaft.
4. The lower blade shaft according to one of claims 1 to 3, characterized in that the lower blade shaft has numerous cutting bushings (1), and the cutting bushings (1) each have numerous lower blades (3).
5. The lower blade shaft according to one of claims 1 to 4, characterized in that the lower blades (3) are

arranged a distance of about 0.5 to 10 mm from each other.

6. The lower blade shaft according to claim 5, characterized in that the lower blades (3) are arranged a distance of about 1 to 2 mm from each other.
7. The lower blade shaft according to one of claims 3 to 6, characterized in that the keyways (7) have a width of 0.8 to 2 mm.
8. A roller cutting machine for the lengthwise cutting of foils and strips into sectors with a lower blade shaft (11) according to one of claims 1 to 7 and at least two upper blades (8) that immerse into the lower blade shaft (11).

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